Ontario

Ministry of Natural Resources

Hon. Alan W. Pope
Minister

John R. Sloan
Deputy Minister

ONTARIO GEOLOGICAL SURVEY

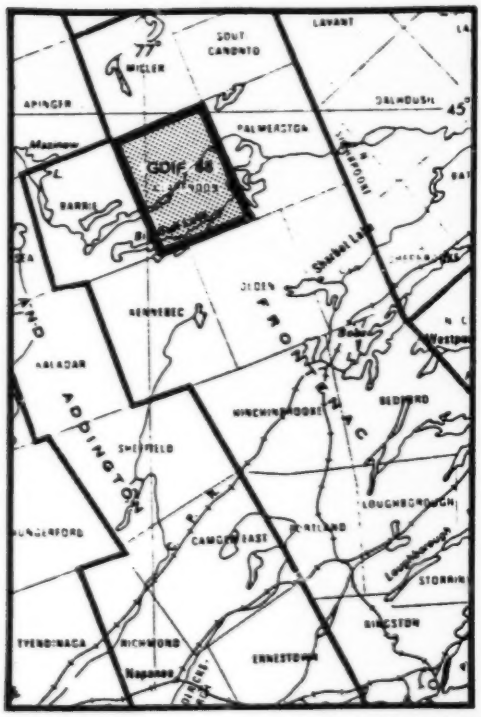
GEOLOGICAL DATA INVENTORY FOLIO

GDIF 88

CLARENDON TOWNSHIP

FRONTENAC COUNTY

**Compiled by the Staff of
the Resident Geologist's Office,
Tweed**



LOCATION MAP

Scale 1:1 013 760 or
1 inch to 16 miles

Mining Claim Map Number 77

This project was funded by the Mining Sector Work Program under the sponsorship of Barrie Township.

STATEMENT: This inventory is unedited. Discrepancies may occur for which the Ontario Geological Survey does not assume liability. Information from this source may be quoted if credit is given. Reference to this inventory should be made as follows:

Ontario Geological Survey
1984: Clarendon Township, Frontenac County; Ontario Geological Survey Geological Data Inventory Folio 88, compiled by the staff of the Resident Geologist's Office, Tweed, 22p. and 2 maps.

Original Compilation by: David Marek, December 17, 1982

Date	Page Revised	Revised by
Apr/84	Inclusive	D.H.

Date	Page Revised	Revised by

CLARENDON TOWNSHIP

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ACCOMPANYING MAPS

Property Location Map – 1 map

Exploration Data Map – 1 map

Map Scale 1: 31 680 or 1 inch to ½ mile

CONVERSION FACTORS FOR MEASUREMENTS IN ONTARIO GEOLOGICAL SURVEY PUBLICATIONS

If the reader wishes to convert imperial units to SI (metric) units or SI units to imperial units the following multipliers should be used:

CONVERSION FROM SI TO IMPERIAL			CONVERSION FROM IMPERIAL TO SI		
SI Unit	*Multiplied by*	*Gives*	*Imperial Unit*	*Multiplied by*	*Gives*
			LENGTH		
1 mm	0.039 37	inches	1 inch	**25.4**	mm
1 cm	0.393 70	inches	1 inch	**2.54**	cm
1 m	3.280 84	feet	1 foot	**0.304 8**	m
1 m	0.049 709 7	chains	1 chain	**20.116 8**	m
1 km	0.621 371	miles (statute)	1 mile (statute)	**1.609 344**	km
			AREA		
1 cm^2	0.155 0	square inches	1 square inch	**6.451 6**	cm^2
1 m^2	10.763 9	square feet	1 square foot	**0.092 903 04**	m^2
1 km^2	0.386 10	square miles	1 square mile	2.589 988	km^2
1 ha	2.471 054	acres	1 acre	0.404 685 6	ha
			VOLUME		
1 cm^3	0.061 02	cubic inches	1 cubic inch	**16.387 064**	cm^3
1 m^3	35.314 7	cubic feet	1 cubic foot	0.028 316 85	m^3
1 m^3	1.308 0	cubic yards	1 cubic yard	0.764 555	m^3
			CAPACITY		
1 L	1.759 755	pints	1 pint	0.568 261	L
1 L	0.879 877	quarts	1 quart	1.136 522	L
1 L	0.219 969	gallons	1 gallon	**4.546 090**	L
			MASS		
1 g	0.035 273 96	ounces (avdp)	1 ounce (avdp)	28.349 523	g
1 g	0.032 150 75	ounces (troy)	1 ounce (troy)	**31.103 476 8**	g
1 kg	2.204 62	pounds (avdp)	1 pound (avdp)	**0.453 592 37**	kg
1 kg	0.001 102 3	tons (short)	1 ton (short)	**907.184 74**	kg
1 t	1.102 311	tons (short)	1 ton (short)	**0.907 184 74**	t
1 kg	0.000 984 21	tons (long)	1 ton (long)	**1016.046 908 8**	kg
1 t	0.984 206 5	tons (long)	1 ton (long)	**1.016 046 908 8**	t
			CONCENTRATION		
1 g/t	0.029 166 6	ounce (troy)/ ton (short)	1 ounce (troy)/ ton (short)	34.285 714 2	g/t
1 g/t	0.583 333 33	pennyweights/ ton (short)	1 pennyweight/ ton (short)	1.714 285 7	g/t

OTHER USEFUL CONVERSION FACTORS

1 ounce (troy)/ton (short)	20.0	pennyweights/ton (short)
1 pennyweight/ton (short)	0.05	ounce (troy)/ton (short)

One gram(g) per tonne is equivalent to one part per million (1 ppm).

NOTE–Conversion factors which are in bold type are exact. The conversion factors have been taken from or have been derived from factors given in the Metric Practice Guide for the Canadian Mining and Metallurgical Industries published by The Mining Association of Canada in co-operation with the Coal Association of Canada.

DATA SOURCES CHECK LIST

NOTE: The following sources have been searched to compile the data for this map. If no reference data was found, the appropriate box is marked 'no'; if reference was found, the box is marked 'yes'.

All reference data found are included in the following pages. If the box is blank, the data source has not yet been searched. If the box is marked N.A., the source item is Not Applicable to this area and therefore not searched.

	SOURCES OF DATA	Data	Initial
1	Resident Geologist's Office Files	Yes	D.M.
2	Assessment Files Research Office, Toronto	Yes	D.M.
3	ODM General Index; 7 volumes	Yes	D.M.
4	Catalogue of Airborne Geophysical Surveys (ODM)	Yes	D.M.
5	ODM Mineral Resources Circulars and OGS Mineral Deposits Circulars	Yes	D.M.
6	ODM Industrial Mineral Reports	Yes	D.M.
7	Bibliography of Post Precambrian Theses - Karrow (ODM MP 1)	N.A.	D.M.
8	Bibliography of Precambrian Theses - Ginn (ODM MP 2)	N.A.	D.M.
9	Newspaper Clippings File	No	D.M.
10	GSC Index to Publications	Yes	D.M.
11	OGS Index to Published Maps and Reports - MP 77 and Supplements to MP 77	Yes	D.M.
12	OGS Index Maps	Yes	D.M.
13	Source Mineral Deposit Records (O.G.S.)	Yes	D.M.
14	Author - Subject Articles File	No	D.M.
15	Miscellaneous Papers: ODM & OGS	Yes	D.M.
16	ODM Geological Circulars: OGS Study Series	Yes	D.M.
17	ODM Preliminary Reports: ODM Bulletins	Yes	D.M.
18	ODM – OGS Open File Reports	Yes	D.M.
19	OGS Northern Ontario Engineering Geology Terrain Studies	N.A.	D.M.
20	OGS Aggregate Resources Inventory Papers	N.A.	D.M.
21	OGS Mineral Potential Maps	Yes	D.M.
22	Airphoto Index	Yes	D.M.

METALS AND MINERALS REFERENCES LIST

△ anh. . . . . .Anhydrite
△ ank. . . . . .Ankerite
△ anna . . . . . Annabergite
△ ap. . . . . .Apatite
△ arg . . . . . Argentite
△ As . . . . . .Arsenic
▲ asp . . . . . .Arsenopyrite
△ asb . . . . . .Asbestos
△ ba. . . . . .Barite
△ be. . . . . .Beryl
△ Bi. . . . . .Bismuth
△ bn . . . . . .Bornite
△ bran . . . . . .Brannerite
△ bruc . . . . . .Brucite
△ Cd . . . . . .Cadmium
△ calc. . . . . .Calcite
△ carb . . . . . .Carbonate
△ cel . . . . . .Celestite
△ cc. . . . . .Chalcocite
△ cp. . . . . .Chalcopyrite
△ ch. . . . . .Chert
△ clay . . . . . .Clay
△ Co . . . . . .Cobalt
△ cob. . . . . .Cobaltite
△ cb. . . . . .Columbite
△ Cu . . . . . .Copper
△ cor . . . . . .Corundum
△ dol . . . . . .Dolomite
△ ep. . . . . .Epidote
△ ery . . . . . .Erythrite
▲ fel . . . . . .Feldspar
△ fl . . . . . .Fluorite (fluorspar)
△ fu. . . . . .Fuchsite
▲ gn. . . . . .Galena
△ gt. . . . . .Garnet
△ goe. . . . . .Goethite
▲ Au . . . . . .Gold
△ gf. . . . . .Graphite
△ gl . . . . . .Gravel
△ gyp. . . . . .Gypsum
▲ hem . . . . . .Hematite
△ il . . . . . .Ilmenite
△ Fe . . . . . .Iron
△ IF. . . . . .Iron Formation
△ jas . . . . . .Jasper
△ kaol . . . . . .Kaolinite (kaolin)
▲ ky . . . . . .Kyanite
△ Pb . . . . . .Lead
△ lim . . . . . .Limonite
△ Li. . . . . .Lithium
△ mgst . . . . . .Magnesite
▲ mag . . . . . .Magnetite
△ mc . . . . . .Malachite
△ Mn . . . . . .Manganese
▲ mb. . . . . .Marble
△ mar. . . . . .Marcasite
▲ ma . . . . . .Marl
▲ mi . . . . . .Mica
△ ml . . . . . .Millerite
△ mo. . . . . .Molybdenite
△ Mo . . . . . .Molybdenum
△ mon . . . . . .Monazite
△ ne. . . . . .Nephelite (nepheline)
△ nc. . . . . .Niccolite
△ Ni. . . . . .Nickel
△ Nb . . . . . .Niobium
△ Pd . . . . . .Palladium
△ peat . . . . . .Peat
△ pent . . . . . .Pentlandite
△ Pt. . . . . .Platinum
▲ py . . . . . .Pyrite
△ pyl . . . . . .Pyrochlore
△ pyrl . . . . . .Pyrolusite
▲ po . . . . . .Pyrrhotite
△ q . . . . . .Quartz
△ qcv . . . . .Quartz carbonate vein
△ ra. . . . . .Radioactive minerals
△ RE . . . . . .Rare Earths
△ sd. . . . . .Sand
△ sgl . . . . . .Sand and gravel
△ ss . . . . . .Sandstone
△ scap . . . . . .Scapolite
△ shee . . . . . .Scheelite
△ serp . . . . . .Serpentine
△ sh. . . . . .Shale
△ sid . . . . . .Siderite
△ si . . . . . .Silica
▲ Ag . . . . . .Silver
△ sl . . . . . .Slate
△ sm . . . . . .Smaltite
△ sod. . . . . .Sodalite
△ spec . . . . . .Specularite
△ sp. . . . . .Sphalerite
△ spd. . . . . .Spodumene
△ staur . . . . . .Staurolite
△ stib. . . . . .Stibnite
△ st . . . . . .Stone
▲ talc. . . . . .Talc
△ Te . . . . . .Tellurium
△ td. . . . . .Tetrahedrite
△ th. . . . . .Thorite
▲ Th . . . . . .Thorium
△ thuc . . . . . .Thucholite
△ ti . . . . . .Titanite
△ Ti. . . . . .Titanium
△ tour . . . . . .Tourmaline
△ trap . . . . . .Trap rock
△ W. . . . . .Tungsten
△ uran . . . . . .Uraninite
▲ U . . . . . .Uranium
△ verm . . . . . .Vermiculite
△ Y . . . . . .Yttrium
△ Zn . . . . . .Zinc
△ zr. . . . . .Zircon
▲ bm. . . . . .Bismuthinite
▲ bl. . . . . .Boulangerite
▲ jm. . . . . .Jamesonite
▲ trem. . . . . .Tremolite
▲ mus. . . . . .Muscovite
S. . . . . .Sulphides

Solid triangles indicate metal and mineral occurrences shown on the accompanying maps.

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
A	Alit-El Con. I, Lot 3	U, Th		AFRO 1969,#63.2592 NMI File 31C/15 U2	OGS Map#1956-4 Clarendon-Dalhousie Area
B	Ardoch-Plevna Con. VIII, Lot 27	ky		OGS 1952,IMC 4,p.6 OGS 1956,AR Vol.65, Pt.7,p.35-37 OGS 1964, GC12,p.12, + Map 2053	OGS Map No. 1956-4 Clarendon-Dalhousie Area
C	Boerth Gold Con. VIII, Lot 29 Con. VII, Lot 28	asp tour Au		GSC 1898,An.Rept, Vol. 12 OGS1900,Vol.9,p93,94 JourCMI/CIM Trans. Vol.7, 1904 Goodwin 1929, p.53 Dept. of Interior, 1930(Frontenac Co) GSC 1936,Mem192,p115 OGS1956,AR.Vol.65, PT7, pg.38,39 OGS1979,MDC18,p.33 DEMR:Boerth Mine	
D	Breen	mb		OGS 1979,MP80,p.6,7 OGS 1981,MDC 21, p.103,107,128 SMDR File #01246	OGS Map P.1980 Marbles of the Pembroke-Renfrew Area
E	Bremmer (continued)	mb		OGS1979,MP80,p.6,7 OGS1981,MDC21,p.103, 107, 128	OGS Map P.1980, Marbles of the Pembroke-Renfrew Area

GDIF FORM NO. 1

SMDR File #01247

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
F	Clarendon Con. IX, Lot 27	gn, Ag		GSC An.Rept.Vol.VI,1892-3 GSC 1901, AR Vol.14 PT J, p.68J OGS 1964,GC12,p.12+Map2053 OGS 1969,MRC 12, p.135	OGS Map No. 1956-4 Clarendon-Dalhousie
G	Consolidated Golden Arrow Con. V, Lot 17	U		AFRO 1970 #63.2670 NMI File 31C/15 U_8	OGS Map No.1956-4 Clarendon-Dalhousie Area
H	Cook Con. IX, Lot 23	Au asp		OGS 1901, Vol.11, p.105 OGS 1913,Vol.22,PT.2,p.105 GSC 1936, Mem.192,p.116 OGS 1956,AR Vol.65,PT7,p39 OGS 1979,MDC 18, p.41 NMI File 31C/15, Au 3	OGS Map No. 1956-4 Clarendon-Dalhousie Area
I	Fernleigh Con. X, Lot 26	ky		OGS 1913,Vol.22,PT.2,p.82 OGS 1951-3,P.R. (Smith) MTS Summary of Activities, 1953 CMM Bull.Vol.47,#501,1954 OGS 1952,IMC 4, p.6 OGS 1956,AR Vol.65,PT 7, p. 35-37 OGS 1964,GC12,p.12 + Map 2053 GSC Paper 69-50 DEMR # 070755	
	(continued)				

GDIF FORM NO. 1

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
J	Fyock, M. H. & Associates East Range, Lot 17	U		AFRO 1958, #63.989 NMI File 31C/15 U7	OGS Map #1956-4 Clarendon-Dalhousie Area
K	James Mine Con. IV, Lot 32	S		OGS 1956,AR Vol.65, PT.7 p.39	
L	Minktrack Lake Con. XV, Lot 25	py		OGS1956,AR Vol.65,PT7,p.35 OGS 1964,GC12,p.12+Map 2053 OGS 1967, MRC 5, p.5	OGS Map #1956-4 NMI File 31C/14 PYR 2
M	Mississippi Con. VIII, Lot 25	py		OGS 1956,AR Vol.65,PT7,p.35 OGS 1964,GC12,p.12+Map 2053 OGS 1967,MRC 5, p.5	OGS Map #1956-4 Dept.Mines & Tech. Surveys #507989
N	Portage Creek	mb		OGS 1979,MP 80, p.6,7 OGS 1981,MDC 21,p.103,107, 128 SMDR File #01245	OGS Map P.1980, Marbles of the Pembroke-Renfrew Area
O	Stalker prospect	py		Mines Br.Rept. 167, 1912 Mines Br. Mem. Series No. 118, 1952	Dept. Mines & Tech Surveys #507988
P	Turtle Lake Con. XIII, Lot 25 (continued)	py		OGS 1956 AR Vol.65,PT7,p35 OGS 1964,GC12,p.12+Map 2053 OGS 1967, MRC 5, p.5	OGS Map #1956-4 NMI File 31C/14,PYR 1

GDIF FORM NO. 1

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
Q	Webber Con. VIII, Lot 28	asp		GSC 1894,An.Rept.Vol7,p37R GSC 1896,An.Rept.Vol9,p.56A OGS 1951,PR1951-3, p.5 OGS 1956,AR Vol.65,PT.7,p39 OGS 1964,GC12,p.12+Map 2053 OGS 1979,MDC 18, p.41	
NA	Weiss, G.	Au		GSC Mem. 74, 1915, p. 108 OGS 1956,AR Vol.65,PT 7, p. 1 - 46	
R	Con. I, Lot 1	granitic gneiss		GSC Rept. of Prog. 1863	
S	Con. I, Lot 23	marl		GSC Rept. of Prog. 1845-6	
T	Con. I, Lot 34	bl		GSC Paper 69-45, 1970,p.100	
U	Con. II, Lot 14	stea talc		GSC Mem. 74, 1915 GSC An.Rept., Vol.10, 1897 GSC An.Rept., Vol. 9, 1896	
V	Con. II, Lot 21	py		GSC Rept. of Prog. 1863	
W	Con. II, Lot 24	mus talc fel		Mines Br.Rept. 701, 1929 GSC Paper 69-45, 1970 Mines Br.Rept.401,1916,p.25	
X	Con. II, Lot 27	py		GSC Rept. of Prog. 1845-6	
	(continued)				

CLARENDON TOWNSHIP

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
Y	Con. II, Lot 30		py po Ag Au jm	GSC An. Rept.Vol.XI, 1898 GSC An. Rept.Vol.XI, 1898 GSC An. Rept.Vol.XI, 1898 GSC An. Rept.Vol.XI, 1898 GSC Paper 69-45,1970,p.312 GSC Mem. 74, 1915, p.136 GSC An. Rept. 1898,Vol.XI, p. 15R	
Z	Con. II, Lot 34		talc	GSC Mem. 74, 1915 Mine Br. Rept. 583, 1922	
a	Con. V, Lot 11		fel	GSC An. Rept.,Vol.10, 1897	
b	Con. VII, Lot 2		py	GSC Rept. of Prog. 1863	
c	Con. VII, Lot 27		mag trem	Econ. Geol. No. 25, 1969 GSC Paper 69-45, 1970 GSC An.Rept. Vol. 9, 1896 GSC Mem. 74, 1915	
d	Con. VIII, Lot 35		Au	GSC An.Rept. Vol. 9, 1896	
e	Con. IX, Lot 16		mi	Mines Br. Rept. 118, 1912	
f	Con. X, Lot 38		Au	GSC An.Rept. Vol. 9, 1896	
g	Con. XI, Lot 32		po	GSC An.Rept. Vol. 6,1892-3	
	(continued)				

GDIF FORM NO. 1

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
h	Con. XIV, Lot 29	hem		GSC Mem. 74, 1915, p. 118	
i	SW Con. of Frontenac Road, Lot 34	py, po		GSC An.Rept. Vol.6,1982-3	
j	NE Con, Lot 42	po		GSC An.Rept.Vol.VI,1892-3	
k	SW Con, Lot 33	bm		ODM 1956,AR Vol.65,PT7,p.39	
l	Con. VII, Lot 26	py		Dept.Mines,Energy & Res. 507990	

CLARENDON TOWNSHIP

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE TWEED	COMPANY/AUTHOR (file number)	GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY	OTHER REPORTS		
1	Alit-ElMines Ltd. AFRO file: 63.2592 AFRO file: 63E.19	69		69		69								69				68		
2	Consol. Golden Arrow Mines Ltd AFRO file: 63.2670											70		70						
3	Firth, N. AFRO file: 14				54															
4	Fyoch, M. H., & Assoc. AFRO file: 63.989 AFRO file: 10	58			58 59							58						59		
5	Ganda Silver Mines Ltd. AFRO file: 11 AFRO file: 15				64 80															
6	Pearse, Gary AFRO file: 2.5311	83	83																	
7	Robson, Bruce AFRO file: 12				52															
8	St. Joseph Explor. Ltd. AFRO file: 2.2926	79	79																	
9	Stratmat Ltd. AFRO file: 13				53													80		
	(continued)																			

GDIF FORM NO. 2

CLARENDON TOWNSHIP 10

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE TWEED COMPANY/AUTHOR (file number)		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
	(continued)																			
10	Selco Mining Corp. Ltd. AFRO file: 2.3307 AFRO file: 10 AFRO file: 2.3428		81		81							80	80							

GDII FORM NO.

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden Metres	Total Length of Hole Metres	Mineralization Noted in Log	Assay Data Included for
1	Ganda Silver Mines Ltd.	100	1963	N10°W	-60°	1.5	45.7	asp	yes
2	" "	101	1963	N10°W	-	2.1	47.5		yes
3	" "	102	1963	N10°W	-	1.5	46.6	sulphides	yes
4	" "	103	1963	N10°W	-	-	41.8	asp	yes
5	" "	104	1963	N80°E	-	3.9	76.2		yes
6	" "	105	1963	Due E	-	3.4	63.4		yes
7	" "	106	1964	N10°W	-45°	3.4	91.4		yes
8	" "	1	1958	140°	-45°	-	22.9		yes
9	Gyock, M.H. & Assoc.	2	1958	140°	-45°	-	16.8	mag	yes
10	" "	3	1958	140°	-45°	-	23.2		
11	" "	4	1958	265°	-45°	-	20.4	U	yes
12	" "	5	1958	265°	-45°	-	18.6		
13	" "	6	1958	265°	-45°	1.2	23.2		
14	" "	7	1958	210°	-45°	.5	22.6	hem	
15	" "	8	1958	210°	-45°	-	30.5		
16	" "	9	1958	210°	-45°	1.2	22.2	mag	yes
17	" "	10	1959	Non BL	-45°	15.8	45.7		
18	" "	11	1959	Non BL	-45°	1.8	45.7		
19	" "	12	1959	Non BL	-45°	4.6	45.7		
20	Selco Mining Corp. Ltd.	DU 4	1980	130°	-45°	1.53	41.8	sp , py	yes
21	Robson, Bruce	1	1952	65°	-62°	1.2	71.5	py,po,asp,Au	yes
22	" "	2	1952	160°	-40°	1.2	66.1	py,po,asp	yes
23	" "	3	1952	260°	-55°	1.5	27.0	py,po,asp	yes
24	Stratmat Ltd.	1	1953	Due S	-45°	0.8	47.5		
25	" "	2	1953	Due S	-35°	0.6	60.0		
26	" "	3	1953	Due S	-35°	2.4	56.0		

GDIF FORM NO. 3

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden Metres	Total Length of Hole Metres	Mineralization Noted in Log	Assay Data Included for
27	Firth, N.	1	1954	S45°E	-45°	1.8	47.8		yes
28	" "	2	1954	S30°E	-45°	3.4	63.7		yes
29	" "	3	1954	S60°W	-45°	4.2	50.7	py	yes
30	" "	4	1954	S30°W	-45°	0.6	45.7	py	yes
31	" "	5	1954	S30°W	-45°	1.5	46.9	py	yes
32	" "	6	1954	S30°W	-45°	1.8	52.6	py	yes

GDIF FORM NO.

CLARENDON TOWNSHIP

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for

GDIF FORM NO.

AIRBORNE GEOPHYSICAL SURVEY DATA

No.	By For	Type of Survey	Flight Altitude	Flight Line Direction	Flight Line Spacing

GDIF FORM NO

GEOCHEMICAL SURVEY DATA

Map Sample Site Reference Number	Type of Survey	Analysis For	By	Reference
10	Soil, B-Horizon	Zn, As, Au		Selco Mining Corp. Ltd. I.G.L. Sinclair 1980
8	Soil, B-Horizon	Cu, Pb, Zn, Fe		St. Joseph Expl.Ltd R.G.Jackson, 1979
6	Soil, B-Horizon	Cu, Pb, Zn, Ag, Au, Mn		Pearse, Gary, B83

GDIF FORM NO.

MISCELLANEOUS DATA

AGE DATING

Site	Method	Material	Reference	Result

Scintillometer Survey - Alit-ElMines Ltd., S. Waisberg, 1969

Magnetometer & X-Ray Spectrometer Survey - Consolidated Golden Arrow Mines Ltd., 1970

Magnetometer Survey - Fyock, M.H. & Associates, 1958

V.L.F. & Magnetometer Survey-Selco Mining Corp., 1980

GDIF FORM NO.6

NEWSPAPER CLIPPINGS FILE

NOTE: A file of newspaper clippings about the companies listed below, who have worked in this area, is maintained in the Regional/Resident Geologist's Office. Kemptville, Ontario

GDIF FORM NO. 7

ODM GENERAL INDEX SEARCH

Words searched: CLARENDON TOWNSHIP

Index Volume	Listing:	Report Volume	Part	Page
1	Clarendon Township, Frontenac County			
	Actinolite	IX		192
	Field prospecting in	V		213&218
	Gold	IX		199
	Boerth Gold Mine			
	Notes by Miller	XI		203
	Re-opened (1903)	XIII	(i)	93
	Work at (1889)	IX		93,94
	(1901)	XI		236
	(1907)	XVII		58,83
	(1908)	XVIII	(i)	133
	Iron Ore	II		45,61
	Analysis	XVII		273
	Exhibited	II		79,82
	Hematite	IX		199
	Iron Pyrites Mining	XVI	(i)	164
		XXV	(i)	194
	Lime Works			
	Flieler, E. & F.	XXIII	(i)	27
		XXIII	(i)	34
		XXV	(i)	27
	Mispickel	XI		105
	Plevna			
	Iron pyrites near	XI		203
		XVI	(i)	164
	Mispickel Near	XI		203
		XXII	(ii)	105
	Rocks			
	Diorite	XI		200
	Limestone	XI		186
	Marble	RC		80
	Notes by Miller	XI		202,203
	Staurolite in Photo	XXII	(ii)	82
	Steatite and Talc in	IX		210
	Tremolite and Vesuvianite in	IX		211
2	Gold Mining			
	Boerth Gold Mine			
	Location, map showing	XXX	2	14
	Notes by Miller	XXX	2	15
	Lime Works			
	Flieler, Edward			
	Lime producer 1916	XXVI	1	36
	1918	XXVIII	1	41
	1919	XXIX	1	29
	1920	XXX	1	39
	1921	XXXI	1	37
	CLARENDON TOWNSHIP 1922	XXXII	1	37

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched: CLARENDON TOWNSHIP

Index Volume	Listing:	Report Volume	Part	Page
3	Gold Prospecting (1927)	36	1	140
	Boerth Gold Mine	49	1	13
	Production (1900)			
4	Clarendon (Gull) Lake			
	Drainage basin	51	4	52
	Quartz vein, photo	51	4	60
	Rocks near	51	4	30
	Structure section	51	4	25
	Topography	56	6	6,7
	Frontenac County			
	Shear Zone, notes and photo	51	4	28
5	Gold Mining			
	Boerth Gold Mine, production	64	1	26
6	Frontenac County			
	Gold	65	7	33,34& 38
	Kyanite	65	7	35
	Lakes, names of	65	7	3
	Sulphides	65	7	39,40
7	Frontenac County			
	Kyanite Occurrences	4	IMR	6
	Mineral Occurrences Listed	12	GC	12

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		REGIONAL GEOLOGICAL COMPILATION MAPS		
Smith, B. L.	1951	Geology of Clarendon Township, Frontenac County, Ontario	O.D.M. PR 1951-3	
Smith, B. L.	1958	Geology of the Clarendon-Dalhousie Area, Southern Ontario	ODM AR Vol.65, PT.7,p.1-46 with Colour Map1956-4	
Vos, M. A. and Storey, C. C.	1979	Marbles of the Pembroke-Renfrew Area, NTS 31F, Southern Ontario	O.G.S. MP.80, Map P-1980	
Vos, M. A. and Storey, C. C.	1981	Industrial Minerals of the Pembroke-Renfrew Renfrew Area, NTS 31F Pt. 1, Marble	O.G.S. MDC 21 Map P-1980	
		GEOPHYSICAL MAPS		
G.S.C.	1981	Aeromagnetic Maps, Clarendon Township	97G,69G,68G	1:63,360
		SURFICIAL, PLEISTOCENE, TERRAIN ENGINEERING		
O.G.S.	1973	Southern Ontario Physiography Southeast Ont.	Map 2227	
		MINERAL POTENTIAL MAPS		
Springer, Janet	1978	Ontario Mineral Potential, Kingston and Part of the Ogdensburg sheets; Mineral Deposits Series	O.G.S. Map P.1505	1:250,000
		GEOCHEMICAL		

GDIF FORM NO. 9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		GEOLOGICAL REPORTS AND MAPS		
Gorden, J. B., Lovell, H.L., DeGrijs, J., and Davie, R.F.	1979	Gold Deposits of Ontario, Pt. 2	O.G.S. MDC 18	
Hewitt, D. F.	1967	Pyrite Deposits of Ontario	O.D.M. MRC No.5	
Hewitt, D. F.	1964	Geol. Notes for maps, Nos. 2053 and 2054, Madoc-Gananoque Area, NTS 31B/5 + 12, 31C, Ont.	O.G.C. GC 12 Map 2053	
Hewitt, D. F.	1952	Kyanite and Sillimanite in Ontario	O.D.M. IMF No.4	
Moore, J. M. and Morton, R. L.	1981	Geology of the Clarendon Lake Area, NTS 31C/14SE, Counties of Frontenac and Lennox and Addington, Ontario.	O.G.S. OFR 5316	
		JOURNAL ARTICLES, THESES, TECHNICAL REPORTS		

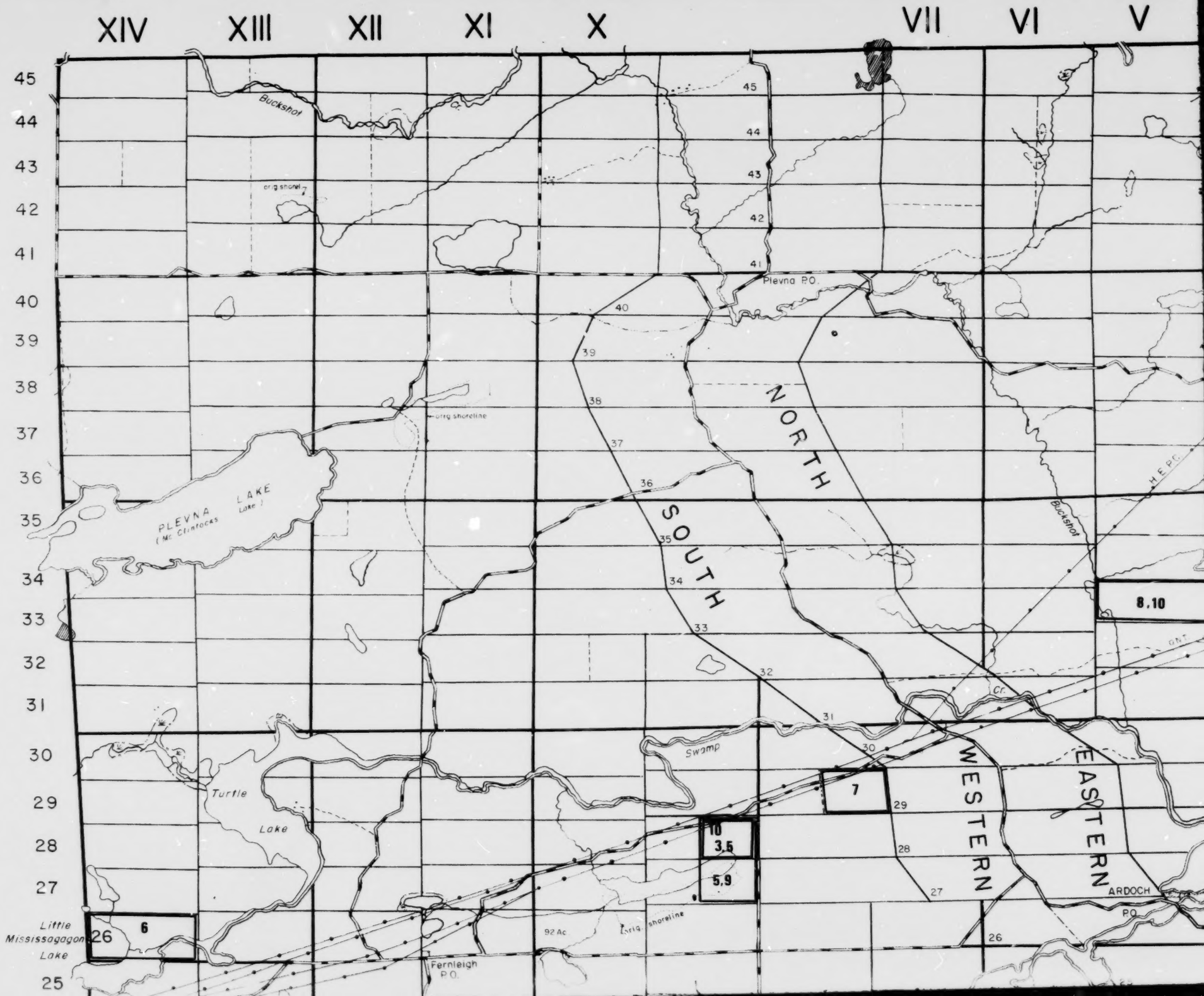
NOTES AND ADDENDA

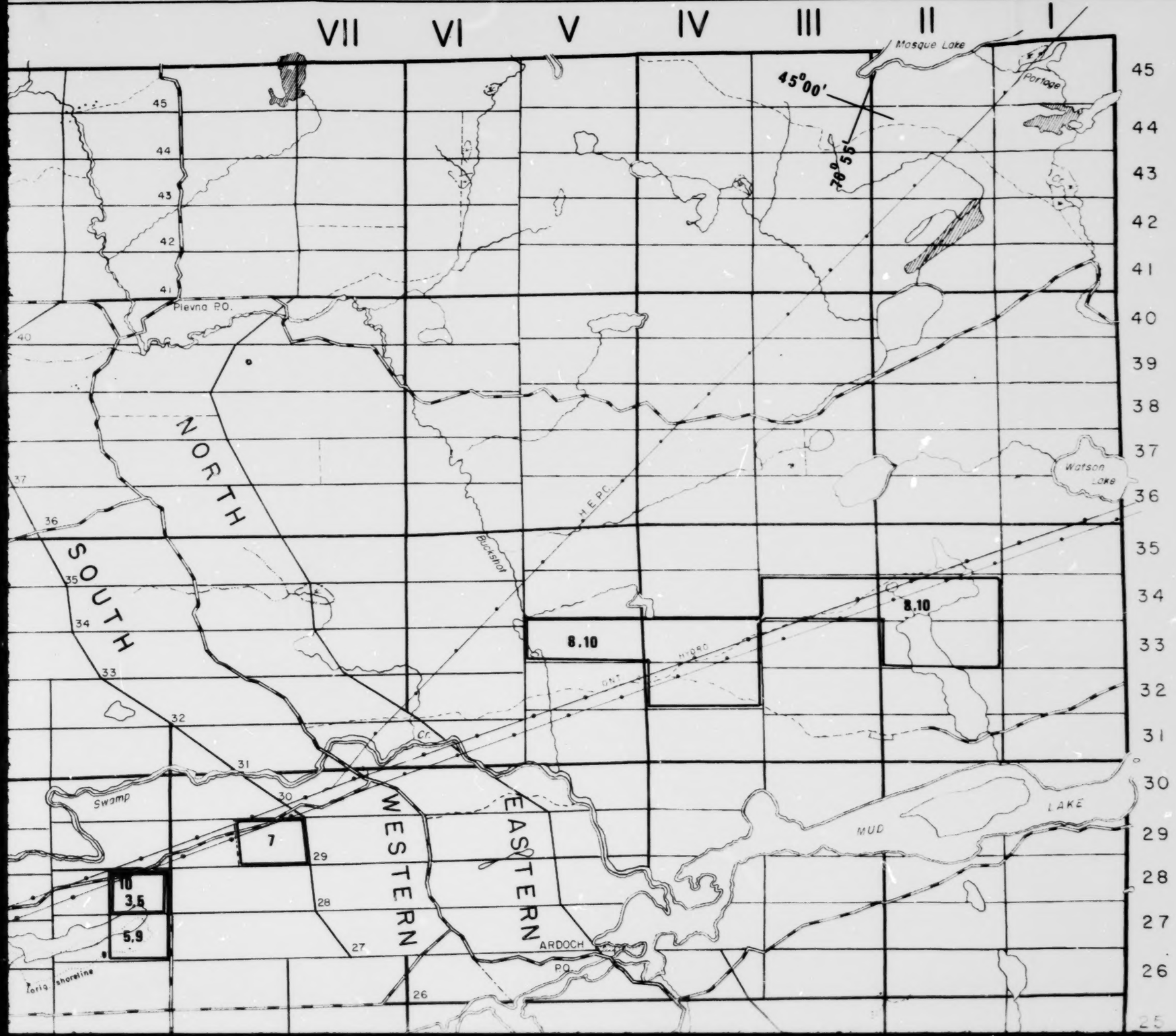
AERIAL PHOTOGRAPHS INDEX

Scale 1" = ½ mile

Year	Line	Roll Number	Numbers
1978	4457	189	55 - 60
1978	4458	189	143 - 152
1978	4459	190	95 - 110
1978	4460	194	17 - 36
1978	4461	186	170 - 190
1978	4462	77	45 - 63
1978	4463	78	44 - 62
1978	4464	160	188 - 206
1978	4465	80	42 - 60
1978	4466	81	18 - 32
1978	4467	161	68 - 88
1978	4468	161	210 - 224
1978	4469	187	48 - 56
1978	4501	154	203 - 206

CLARENDON TOWNSHIP


XIV
XIII
XII
XI
X
VII
VI
V
45
44
43
42
41
40
39
38
37
36
35
34
33
32
31
30
29
28
27
26
Buckshot
orig shoreline
PLEVNA LAKE
(Mc Clintocks Lake)
Plevna P.O.
NORTH
SOUTH
WESTERN
EASTERN
H.E.P.C.
Buckshot
8,10
ONT.
Cr.
Swamp
7
10
3.5
5,9
6
Turtle
Lake
Little
Mississagagon
Lake
92 Ac
orig. shoreline
Fernleigh
P.O.
ARDOCH
P.O.



Ministry of Natural Resources
Ontario

Hon. Alan W. Pope
Minister

John R. Sloan
Deputy Minister

ONTARIO GEOLOGICAL SURVEY
PROPERTY LOCATION MAP
(Map 1 of 2 .)
to accompany GEOLOGICAL DATA
INVENTORY FOLIO 88

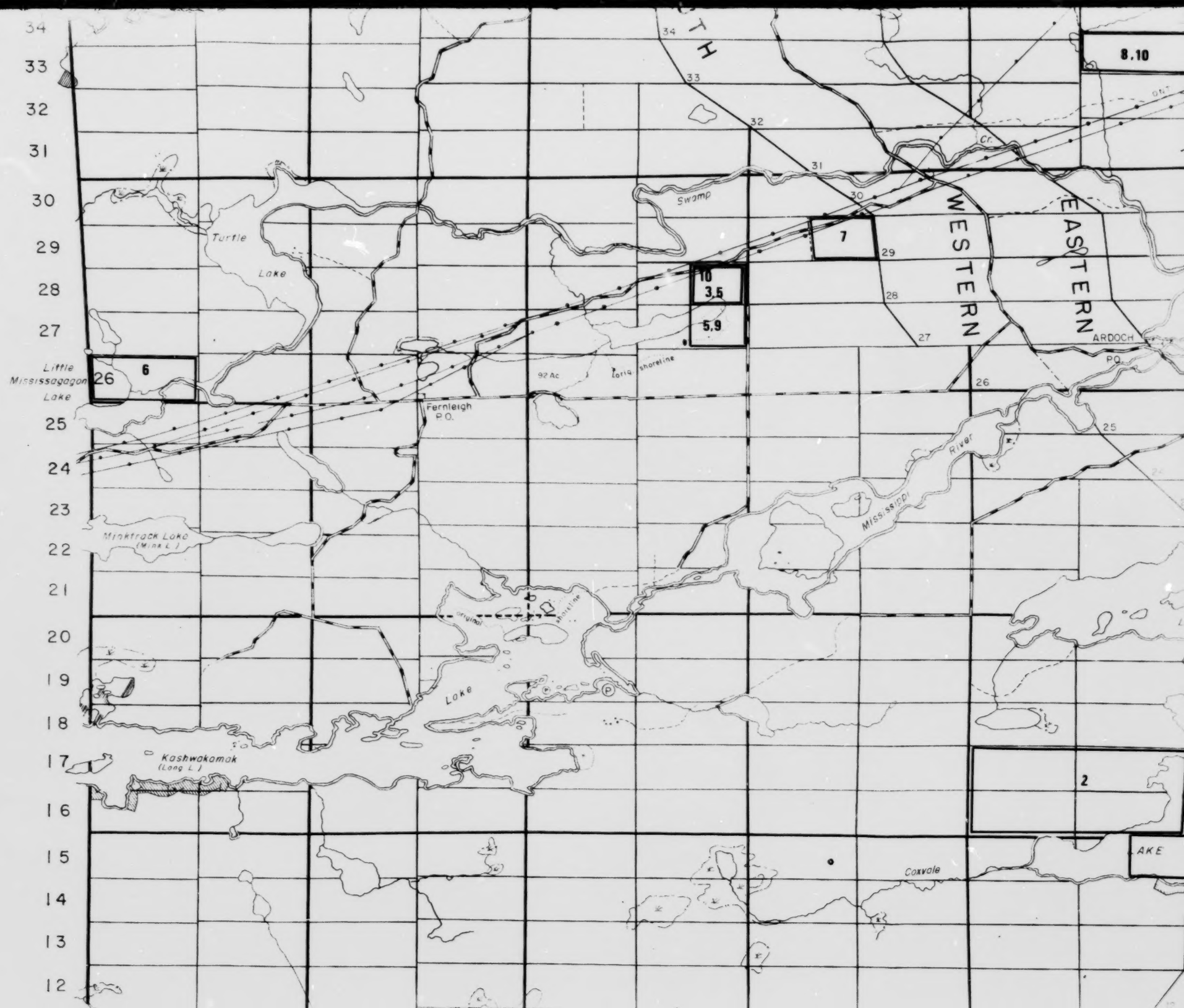
CLARENDON TOWNSHIP

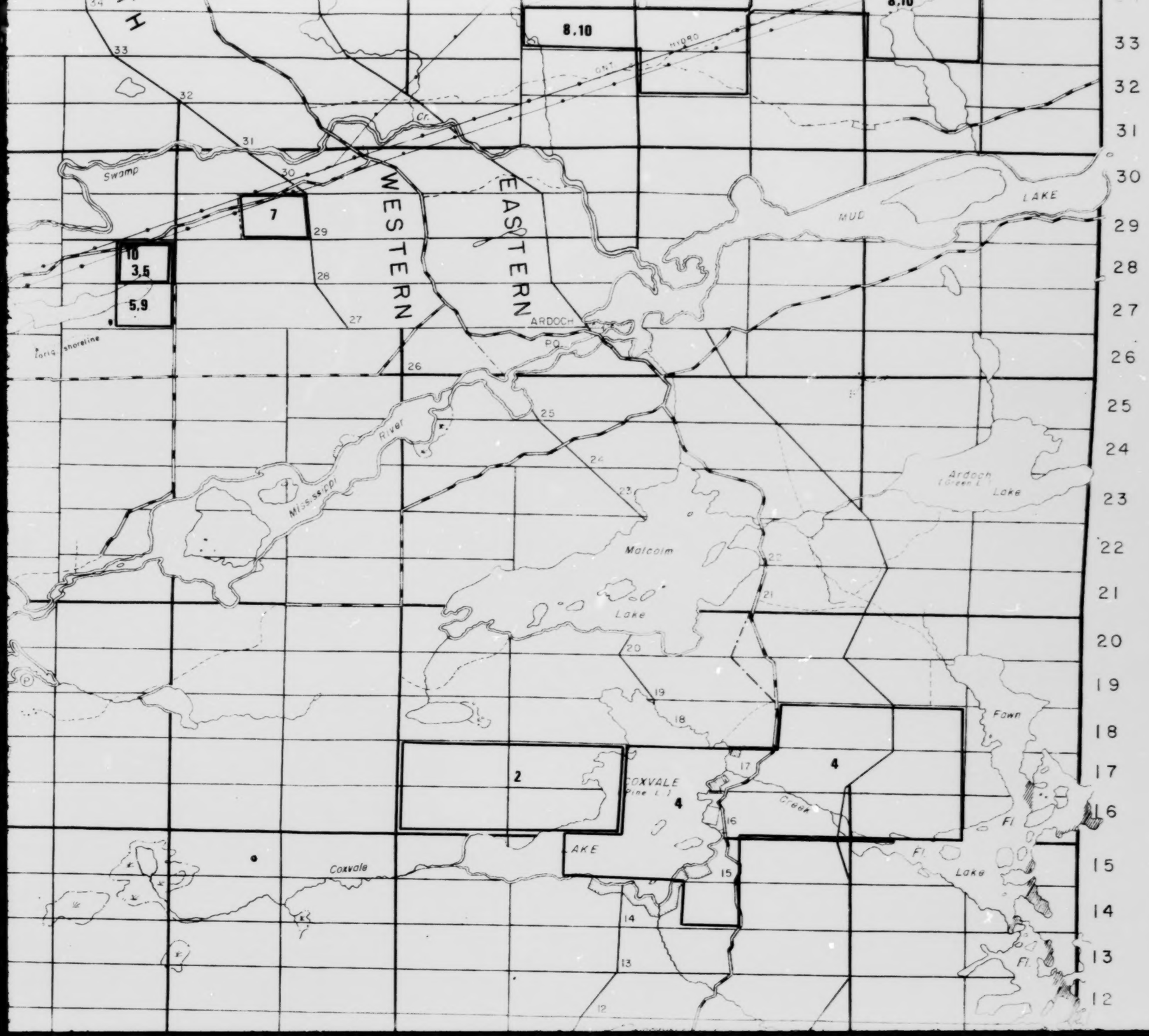
FRONTENAC COUNTY

Scale 1 31 680

Mile 0 5 0 0 5 1 Mile

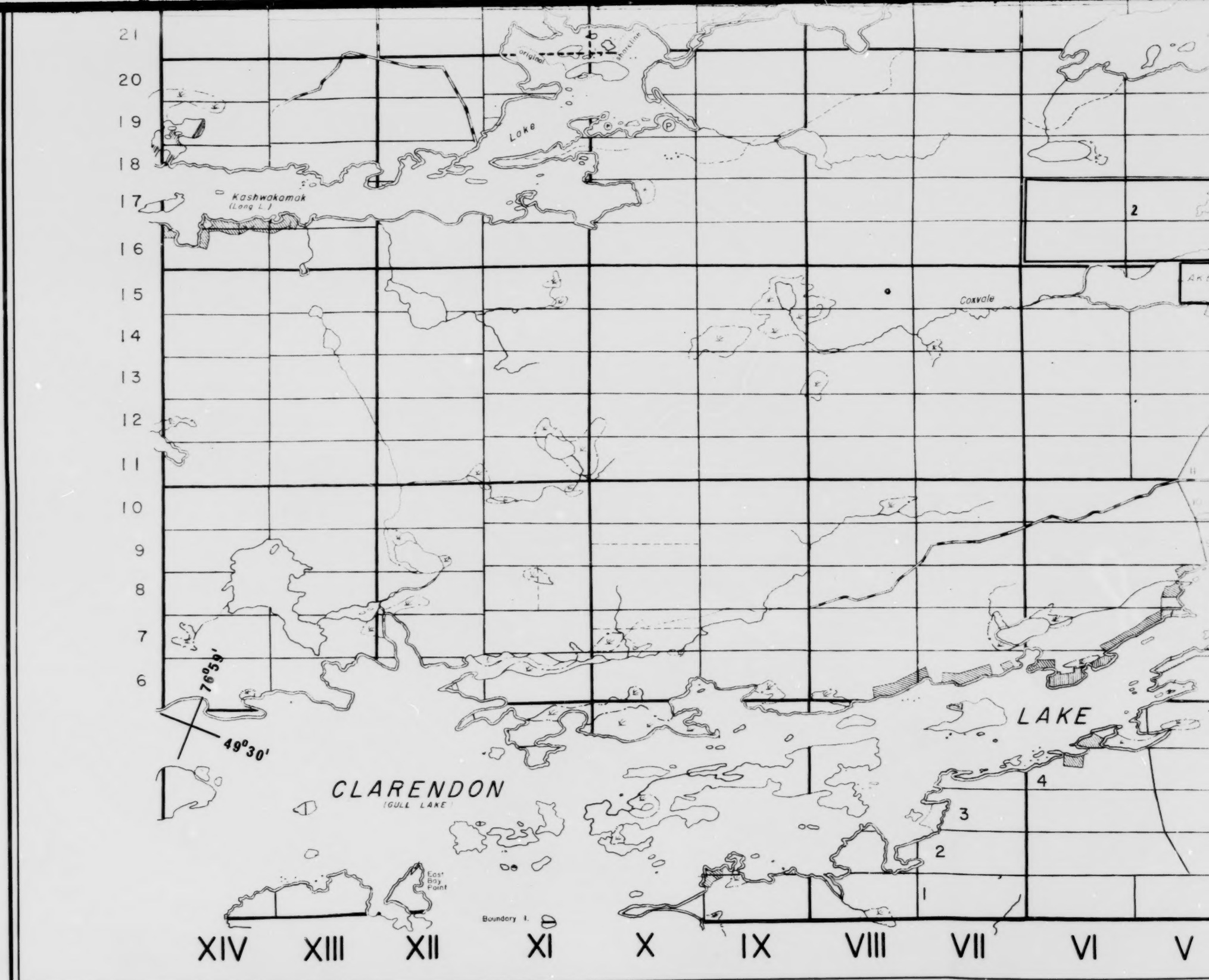
Kilometre 0 5 0 0 5 1 Kilometre


34
33
32
31
30
29
28
27
26
25
24
23
22
21
20
19
18
17
16
15
14
13
12
8.10
7
10
3.5
5.9
6
2
Turtle
Lake
Swamp
Little
Missisagagon
Lake
Fernleigh
P.O.
92 Ac
Orig. shoreline
WESTERN
EASTERN
ARDOCH
P.O.
Mississippi
River
Minktrack Lake
(Mink L.)
original
shoreline
Lake
Kashwakamak
(Long L.)
Coxvale
AKE



EXPLORATION DATA FILE AREAS

- ☒ 1 6 — Reference number is always inside work area outlined. See listing in text pages
- ☐ × 4 — Small area of exploration data.
- ☐ —


21
20
19
18
17
16
15
14
13
12
11
10
9
8
7
6
original
shoreline
Lake
Kashwakomak
(Long L.)
2
Coxvale
76°59'
49°30'
CLARENDON
(GULL LAKE
LAKE
4
3
2
1
East
Bay
Point
Boundary I.
XIV
XIII
XII
XI
X
IX
VIII
VII
VI
V

Lake

Fawn

COXVALE
Pine L.

Creek

Fl

Fl

Lake

Fl

Coxvale

AKE

COXVALE
P.O.

Cross Lake

LAKE

RANGE

RANGE

2

4

4

1

IX VIII VII VI V II I

21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

XIV XIII XII XI X VII VI V IV

45 44 43 42 41 40 39 38 37 36 35 34 33 32 31 30 29 28 27 26

Burkshot

Plevna PO

NORTH

SOUTH

WESTERN

EASTERN

ARDOCH PO

Ⓘ▲ po

Ⓘ▲ py

Ⓘ▲ Au

Ⓓ▲ Au

Ⓘ▲ py, po

Ⓚ▲ bm

Ⓚ▲ S

Ⓘ▲ po

Ⓔ▲ mb

Ⓗ▲ hem

Ⓒ▲ asp, Au

Ⓘ▲ asp

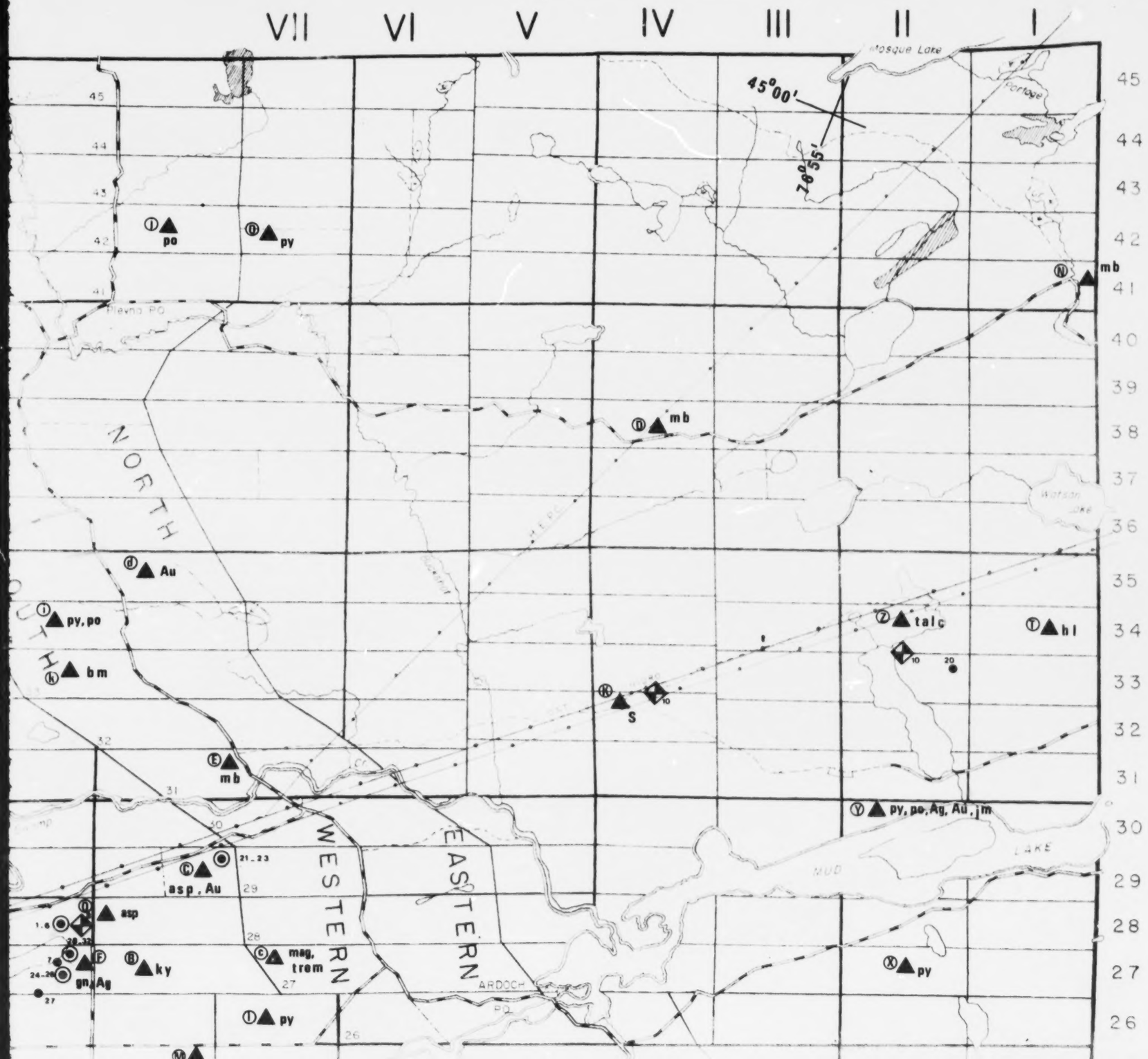
Ⓕ▲ gn, Ag

Ⓑ▲ ky

Ⓔ▲ meg, trem

Ⓘ▲ ky

Ⓘ▲ py



Ministry of Natural Resources
Ontario

Hon. Alan W. Pope
Minister

John R. Sloan
Deputy Minister

ONTARIO GEOLOGICAL SURVEY
Map to Accompany GEOLOGICAL DATA INVENTORY FOLIO 88

CLARENDON TOWNSHIP

FRONTENAC COUNTY

Scale 1:31 680

Mile 0.5 0 0.5 1 Mile

Kilometre 0.5 0 0.5 1 Kilometre

GEOLOGICAL AND MINING SYMBOLS

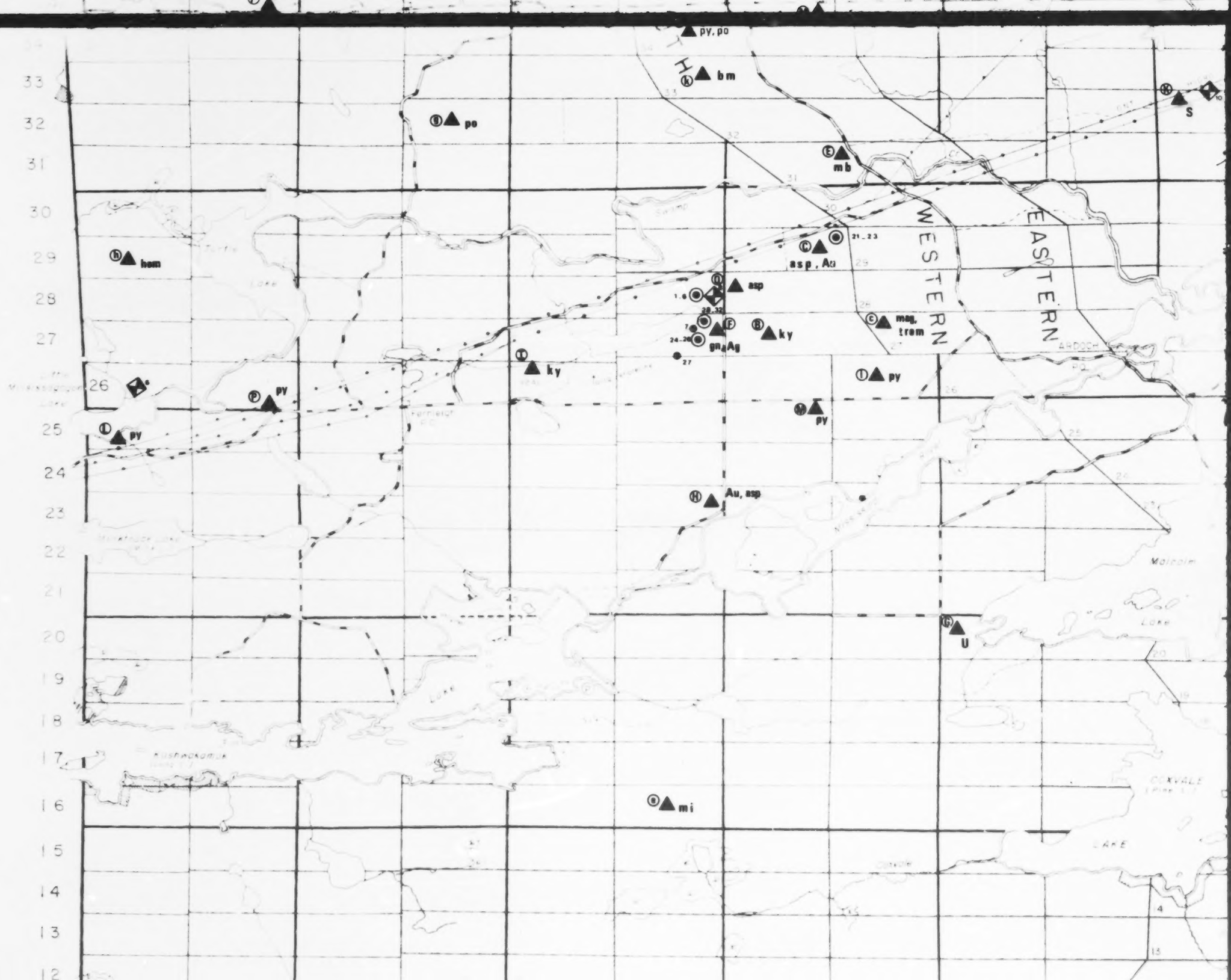
TYPES OF DATA SHOWN ON THIS MAP (Map 2 of 2.)

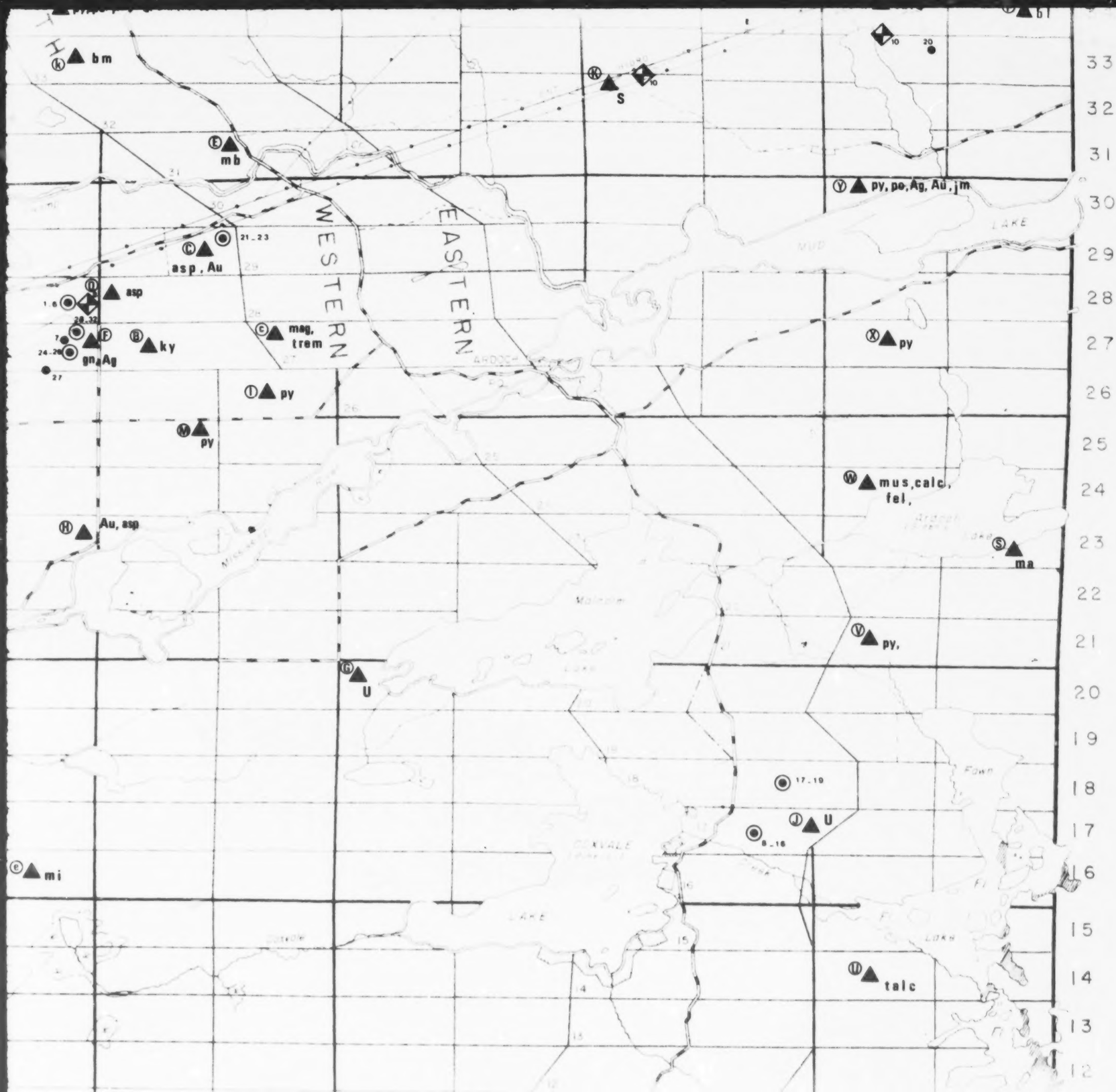
MINERAL OCCURRENCES

- ☒ cp A. — Mineral occurrence at surface, with reference letter
- ☐ Au A. 64' — Mineral occurrence with shaft, depth given with reference letter
- ☐ Ag ? A. — Mineral occurrence reported but exact location uncertain, with reference letter
- ☐ cp A. — Mineralized Float with reference letter
- ☐

DRILL HOLES

- ☒ ●² — Location of single drill hole, with reference number
- ☒ ◉² — Location of closely spaced group of drill holes, with reference number
- ☐ ◑² — Drill hole, exact location uncertain, with reference number


py, po
bm
po
mb
S
hem
asp, Au
asp
ky
mag, trem
ky
py
py
py
py
py
Au, asp
U
mi
WESTERN
EASTERN
ARDOCH
Malcolm
LAKE
CORVALE



MINERAL OCCURRENCES

- Mineral occurrence at surface, with reference letter
- Mineral occurrence with shaft, depth given with reference letter
- Mineral occurrence reported but exact location uncertain, with reference letter
- Mineralized Float with reference letter

DRILL HOLES

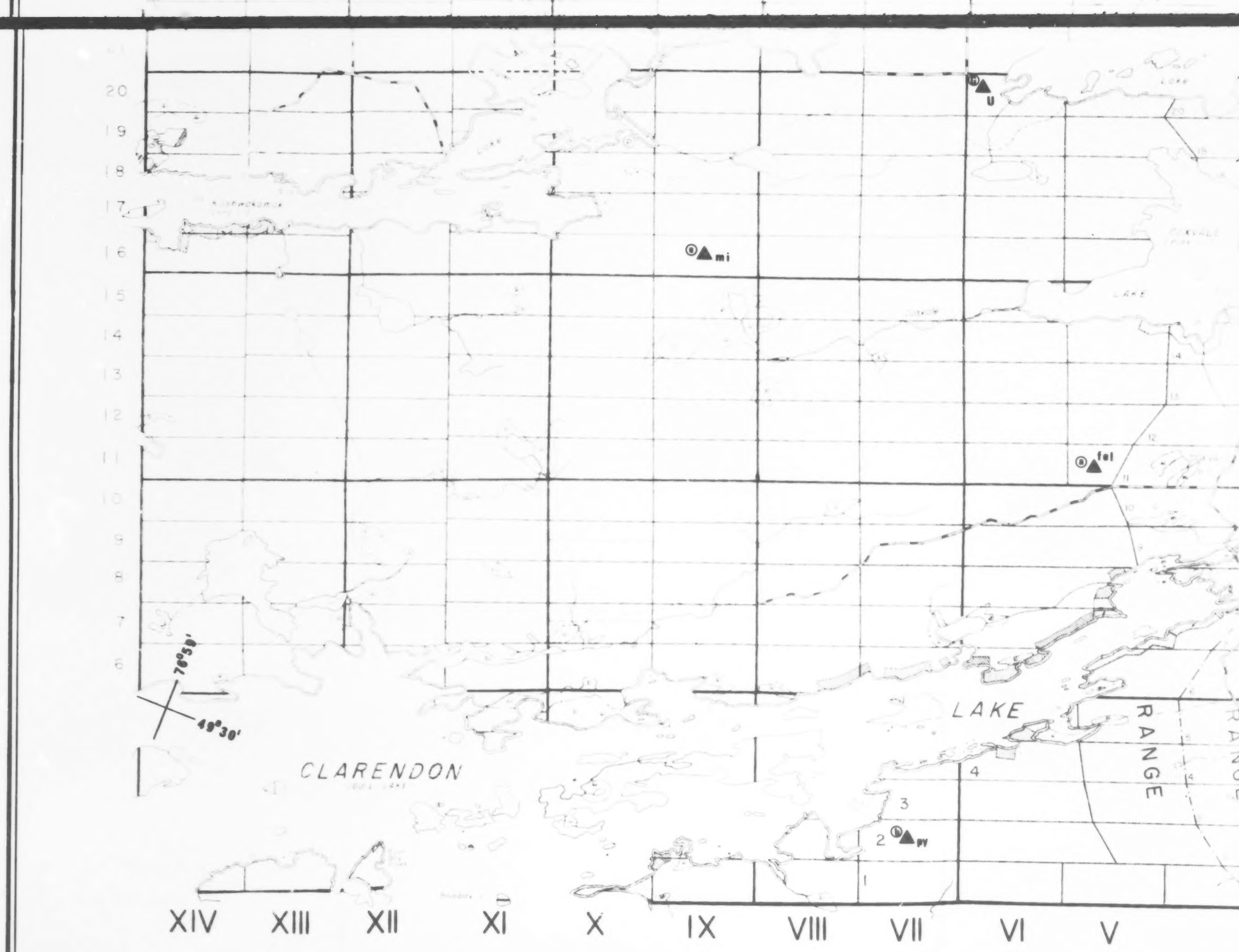
- Location of single drill hole, with reference number
- Location of closely spaced group of drill holes, with reference number
- Drill hole, exact location uncertain, with reference number.
- Property with underground drill holes in this general area, with reference number
- Property with drill holes which have not been plotted on map, with reference number
- Reverse Circulation Drill Hole; Churn drilling, with reference number

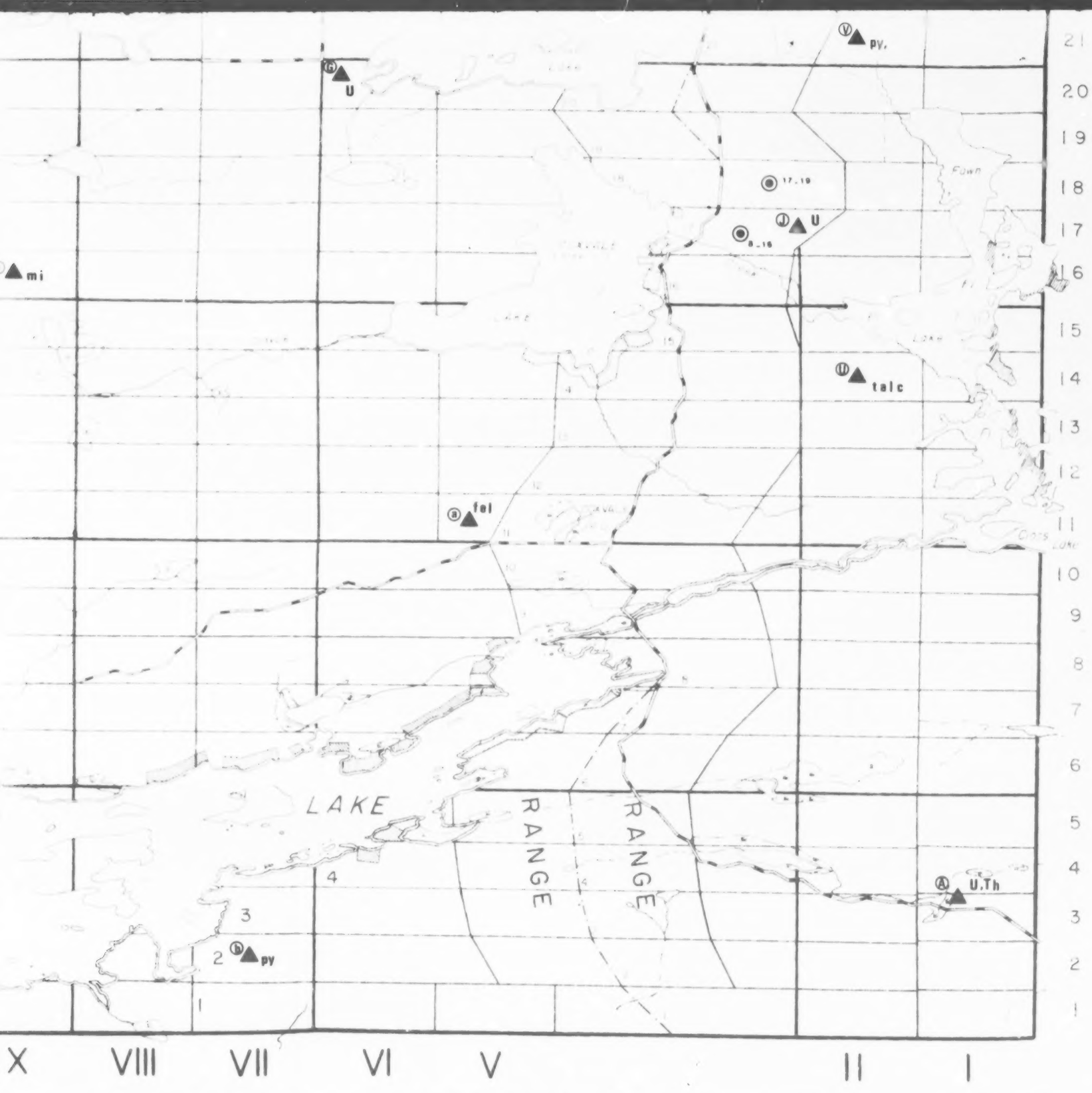
GEOCHEMICAL AND GEOCHRONOLOGICAL DATA

- Geochemical sample site, with reference number
- Area of geochemical sampling, with reference number
- Age dating material sampling site, with reference number

GEOPHYSICAL ANOMALIES

- Airborne Magnetometer Anomaly
- Airborne Electromagnetometer Anomaly Length of anomaly along flight line
- Airborne Electromagnetometer Anomaly. Location of anomaly along flight line
- Airborne Electromagnetometer Anomaly Conductor Axis: definite, probable, possible
- Airborne Radiometric Anomaly
- Ground Magnetometer Anomaly


U
mi
fel
PY
LAKE
RANGE
CLARENDON
76°30'
49°30'
XIV
XIII
XII
XI
X
IX
VIII
VII
VI
V



GEOCHEMICAL AND GEOCHRONOLOGICAL DATA

- Geochemical sample site, with reference number
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GEOPHYSICAL ANOMALIES

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- Airborne Electromagnetometer Anomaly Length of anomaly along flight line
- Airborne Electromagnetometer Anomaly. Location of anomaly along flight line
- Airborne Electromagnetometer Anomaly Conductor Axis: definite, probable, possible
- Airborne Radiometric Anomaly
- Ground Magnetometer Anomaly
- Ground Electromagnetometer Anomaly (VL - Vertical Loop; HL - Horizontal Loop; VLF - Very low freq; Turam; JEM - Crone EM - 16)
- Ground Radiometric Anomaly
- Induced Polarization Anomaly
- Self Potential Anomaly
- Audio-frequency magnetometer anomaly (total intensity)
- Resistivity Anomaly
- Gravity Anomaly

MISCELLANEOUS DATA

- Trenching, pit
- Adit
- Open pit
- Rock quarry
- Sand and/or gravel pit

NOTE: Consult the text that accompanies this map for pertinent lists of data, references, and abbreviations.